Appl. No. 10/710,761 Reply to Office action of August 09, 2007

## RECEIVED CENTRAL FAX CENTER OCT 2 5 2007

## Amendments to the Claims:

The listing of claims will replace all prior versions and listings of claims in the application:

## Listing of Claims:

- 5 Claim 1 (currently amended): A scribe line structure, comprising:
  - a substrate;
  - a plurality of dielectric layers formed on the surface of the substrate comprising at least a process monitor pattern set in a seribe line region cutting area; and
- a dummy metal structure formed on the surface of the substrate connecting with the process monitor pattern and exposed in the seribe line region cutting area.
- Claim 2 (original): The scribe line structure of claim 1 wherein the plurality of dielectric layers comprise dielectric layers having a dielectric constant less than or equal to 3.
  - Claim 3 (original): The scribe line structure of claim 1 wherein the dummy metal structure comprises a plurality of dummy vias.
  - Claim 4 (original): The scribe line structure of claim 1 wherein the dummy metal structure comprises a plurality of dummy metal layers.
- Claim 5 (original): The scribe line structure of claim 1 wherein the process monitor pattern is made of metal materials.
  - Claim 6 (original): The scribe line structure of claim 1 wherein the process monitor pattern comprises test keys, feature dimension measuring elements, or alignment marks.

20

Appl. No. 10/710,761 Reply to Office action of August 09, 2007

Claim 7 (currently amended): The scribe line structure of claim 1 wherein the surface of the substrate further comprises a protective layer covering two sides of the surface of dielectric within the scribe line region cutting area.

5

Claim 8 (currently amended): A scribe line structure, comprising:

- a substrate, the surface of the substrate comprising at least a scribe line region cutting area;
- a plurality of dielectric layers formed on the surface of the substrate

  comprising at least a process monitor pattern set in the seribe line

  region cutting area; and
  - a heat irradiative structure formed in the plurality of dielectric layers connecting the plurality of dielectric layers with the surface of the substrate and exposed in the scribe line region cutting area.

15

- Claim 9 (original): The scribe line structure of claim 8 wherein the plurality of dielectric layers comprise dielectric layers having a dielectric constant less than or equal to 3.
- 20 Claim 10 (original): The scribe line structure of claim 8 wherein the heat irradiative structure is a dummy metal structure.
  - Claim 11 (original): The scribe line structure of claim 10 wherein the dummy metal structure comprises a plurality of dummy vias.

25

- Claim 12 (original): The scribe line structure of claim 10 wherein the dummy metal structure comprises a plurality of dummy metal layers.
- Claim 13 (original): The scribe line structure of claim 8 wherein the heat irradiative structure connects with the process monitor pattern.

Appl. No. 10/710,761 Reply to Office action of August 09, 2007

Claim 14 (original): The scribe line structure of claim 8 wherein the process monitor pattern is made of metal materials.

Claim 15 (original): The scribe line structure of claim 8 wherein the process monitor pattern comprises test keys, feature dimension measuring elements, or alignment marks.

Claim 16 (currently amended): The scribe line structure of claim 8 wherein the surface of the substrate further comprises a protective layer covering two sides of the surface of dielectric within the seribe line region cutting area.

Claim 17 (new) The scribe line structure of claim 1, wherein the process monitor pattern is set under the cutting area.

Claim 18 (new) The scribe line structure of claim 8, wherein the monitor pattern is set under the cutting area.

20

15